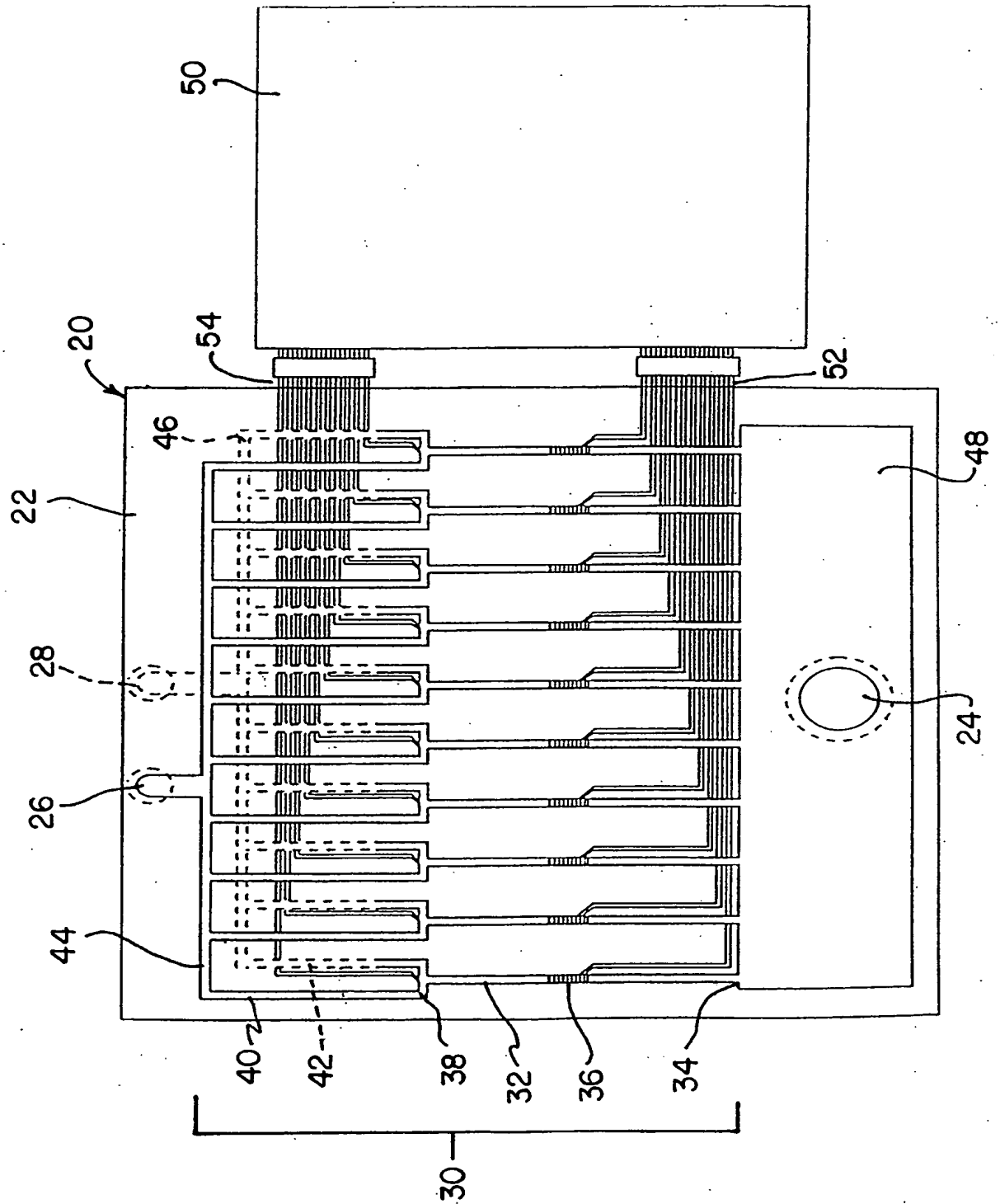


FIG. 1



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FIG. 2

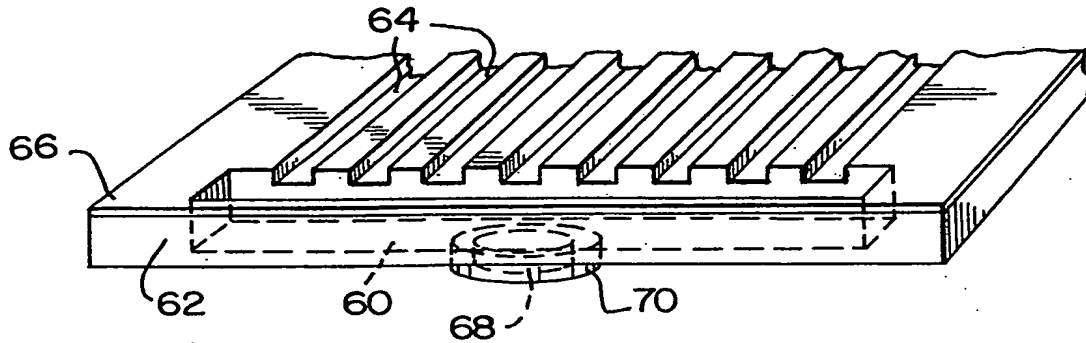


FIG. 3A

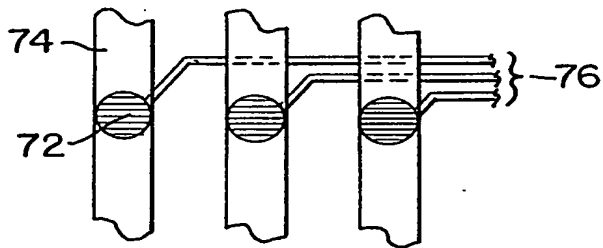


FIG. 3B

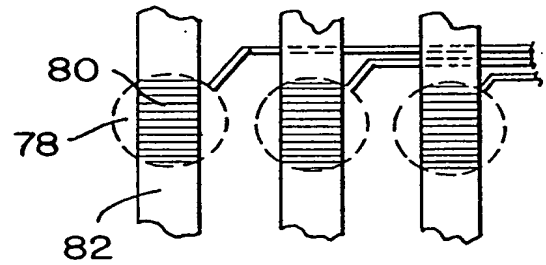
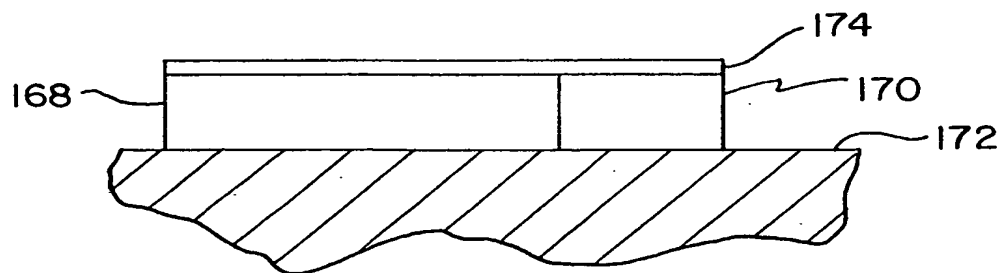


FIG. 4A



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FIG. 4B

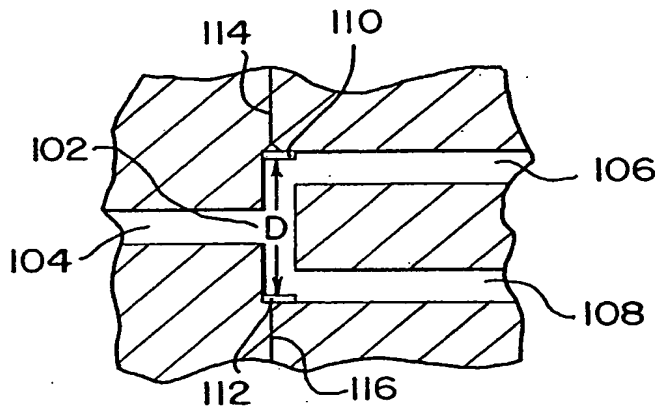
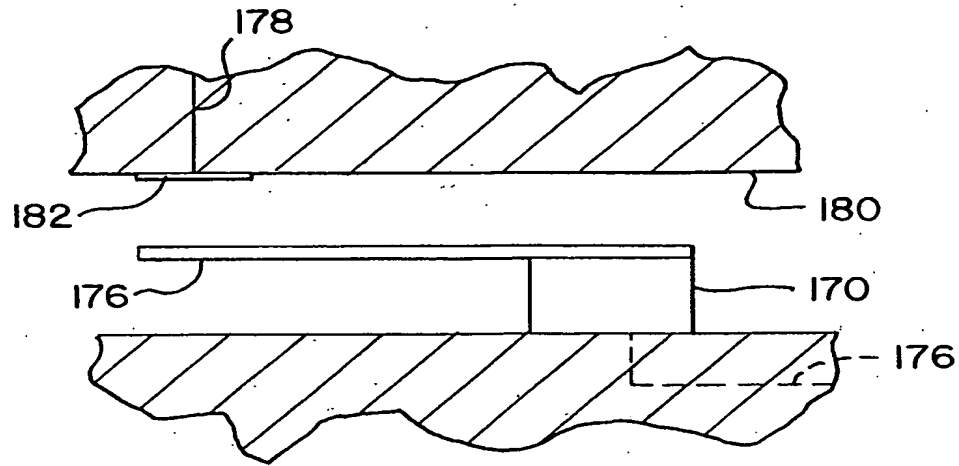
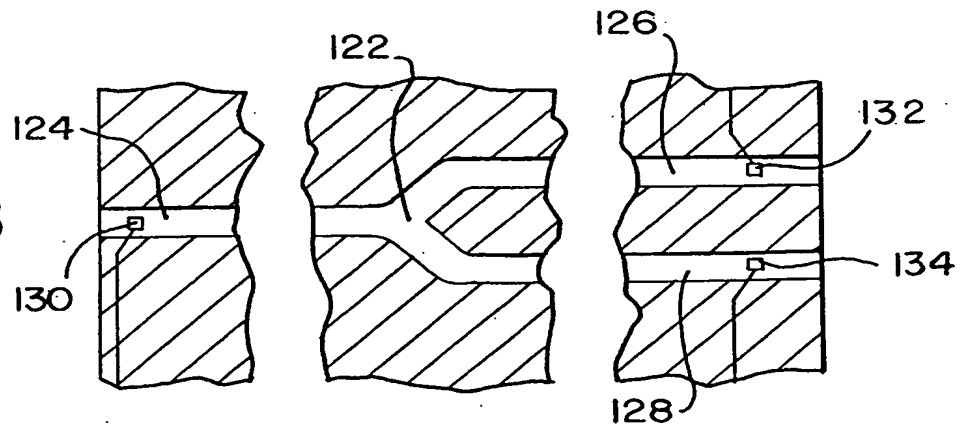


FIG. 5A

FIG. 5B



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FIG. 5C

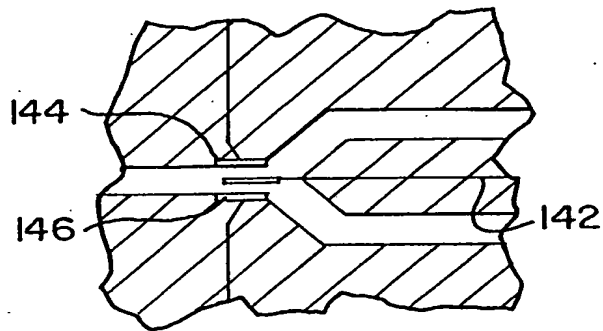


FIG. 5D

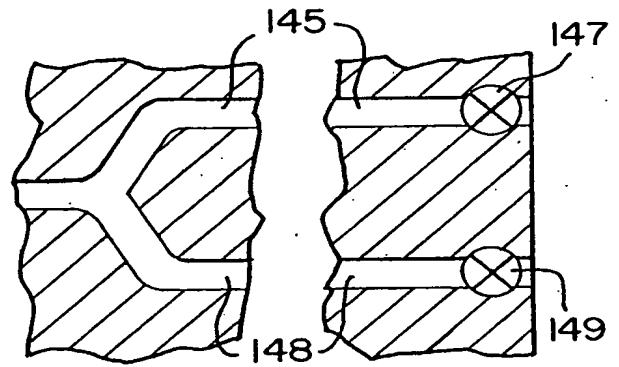
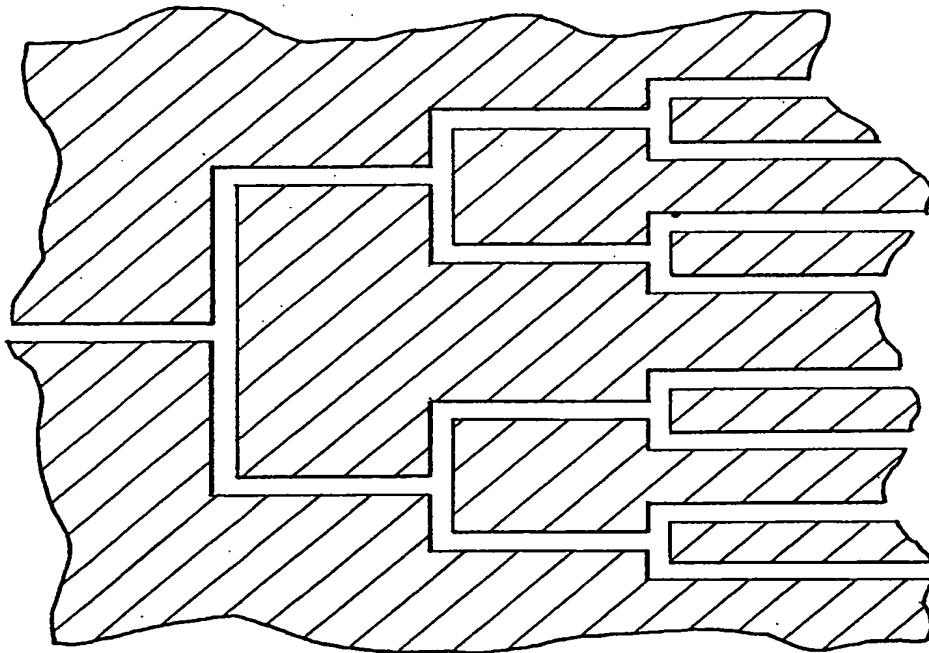


FIG. 6



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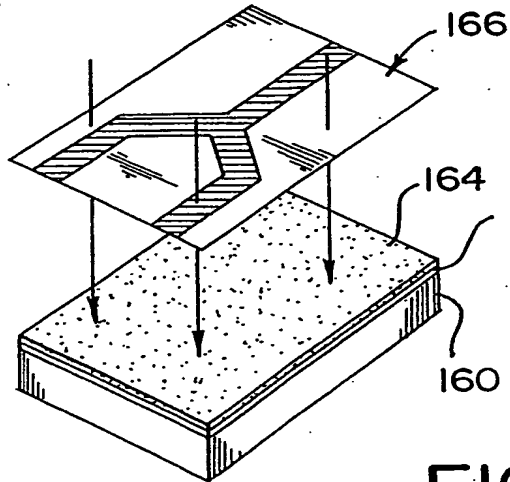
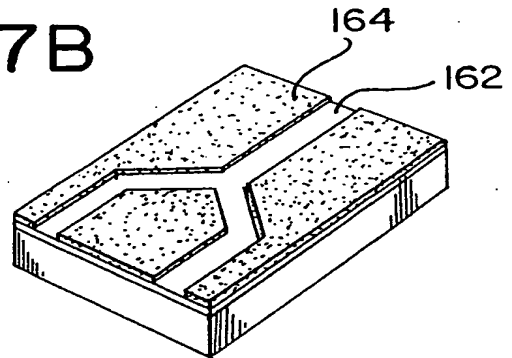


FIG. 7A

DEVELOP
& RINSE

TO
FIG. 7B

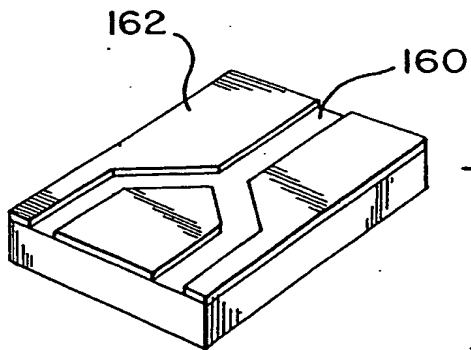
FIG. 7B



TO
FIG. 7C

1. ETCH SiO_2
2. REMOVE
RESIST

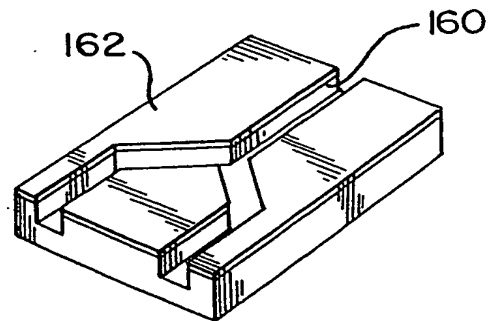
FIG. 7C



ETCH Si

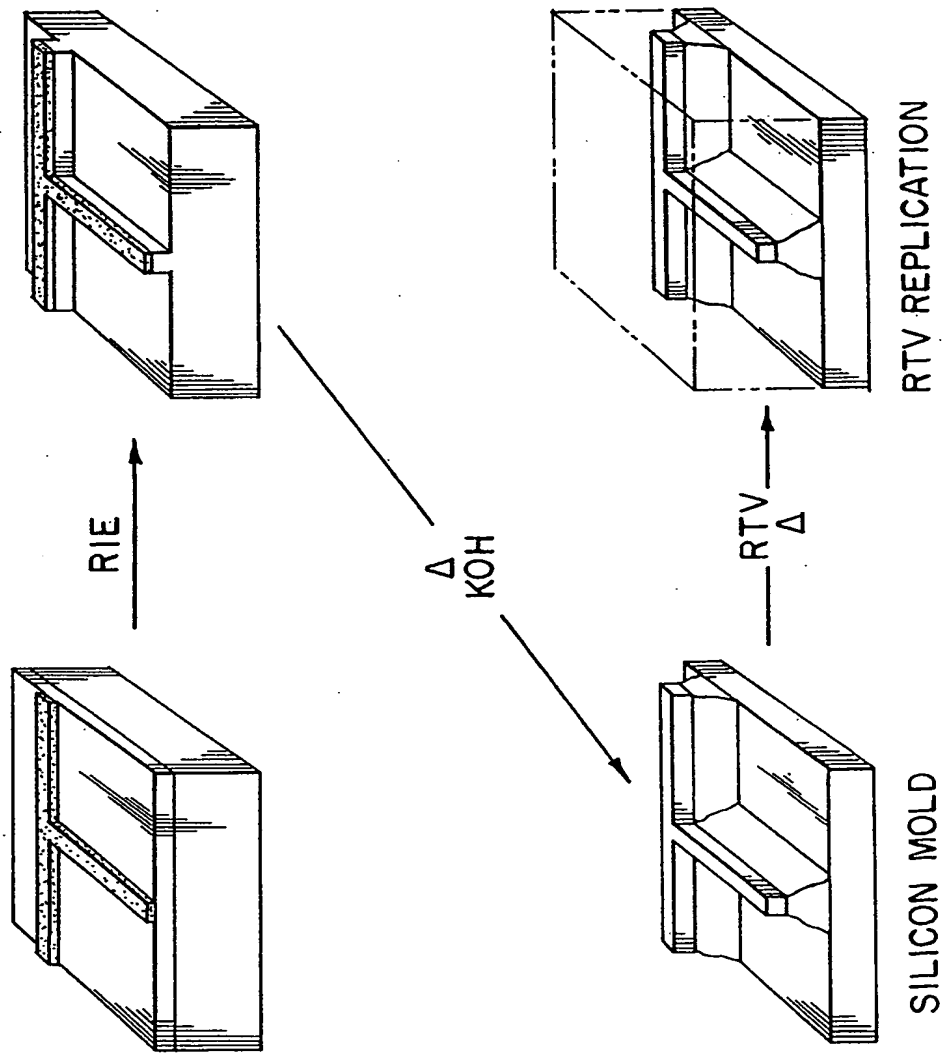
TO
FIG. 7D

FIG. 7D



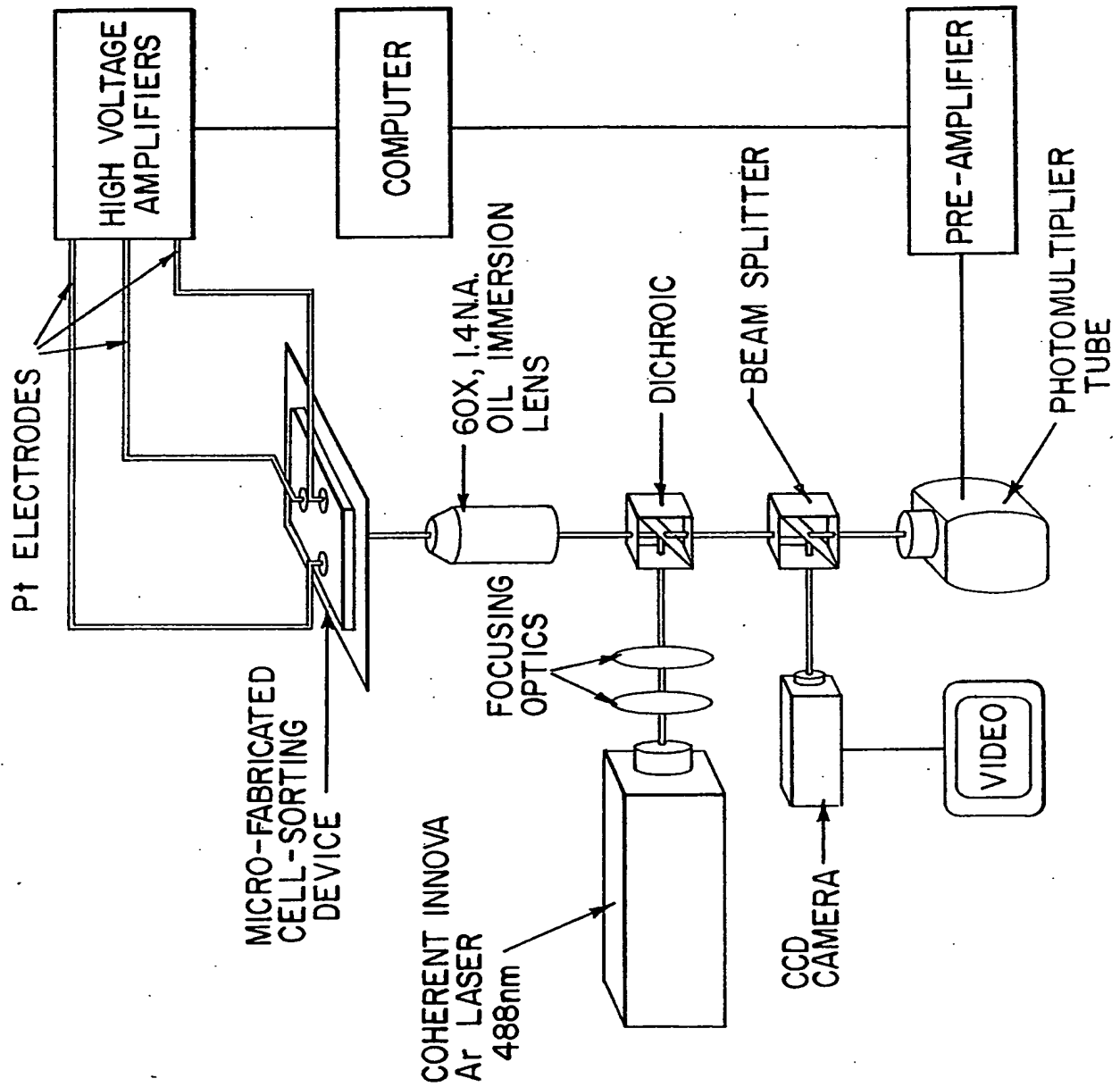
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FIG. 8



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FIG. 9



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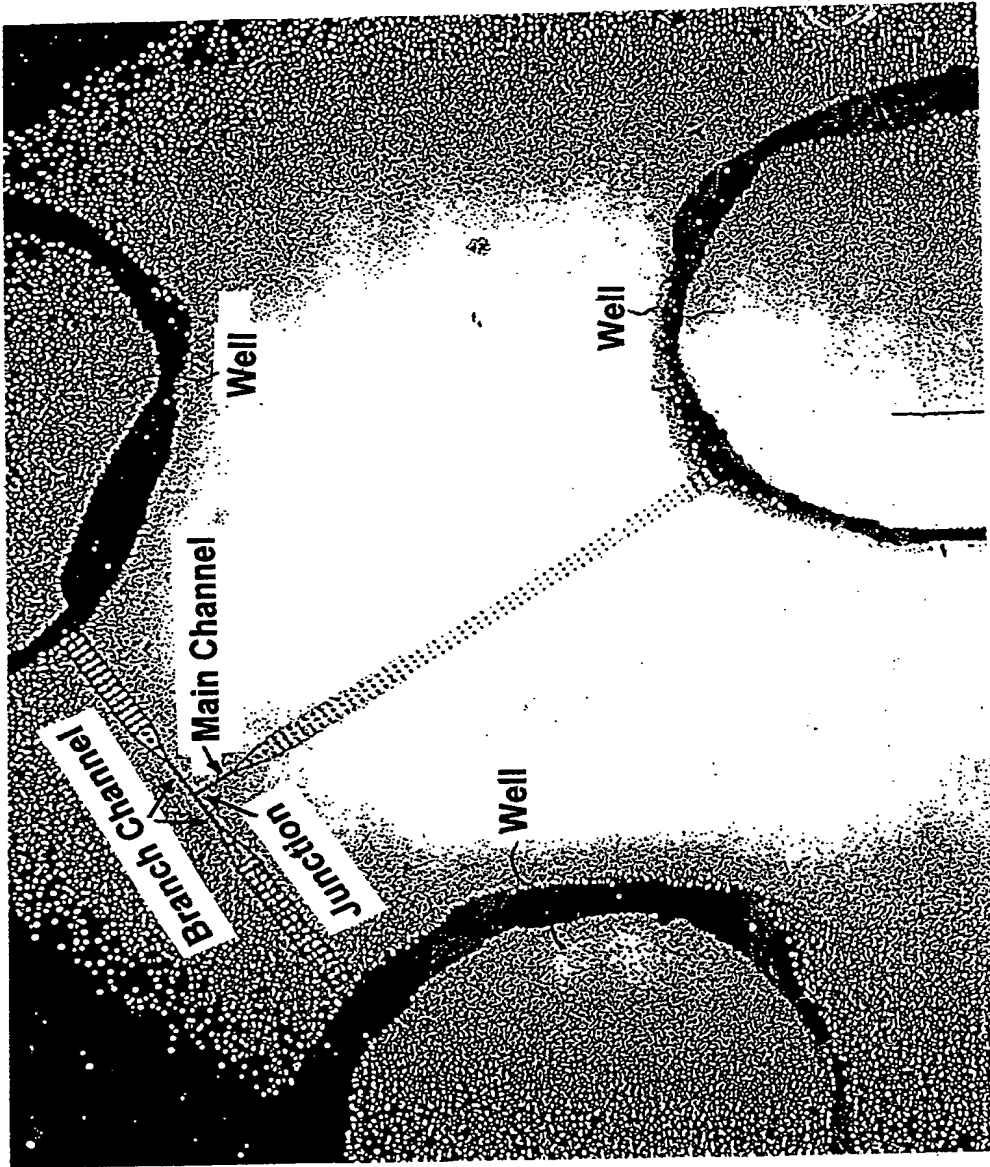


FIG. 10

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FIG. IIA

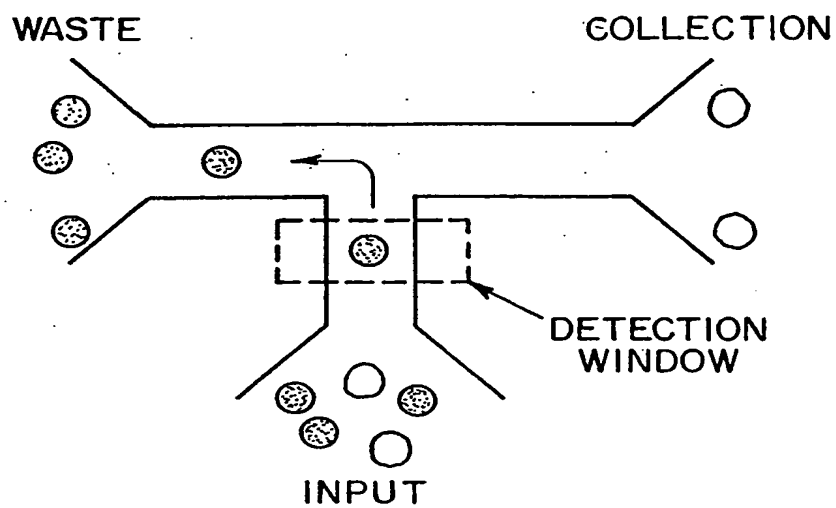
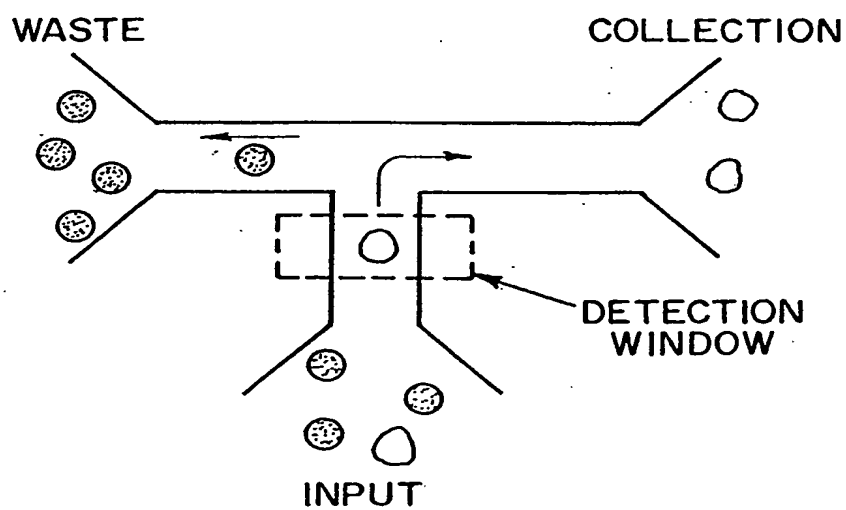


FIG. IIB



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FIG. 12A

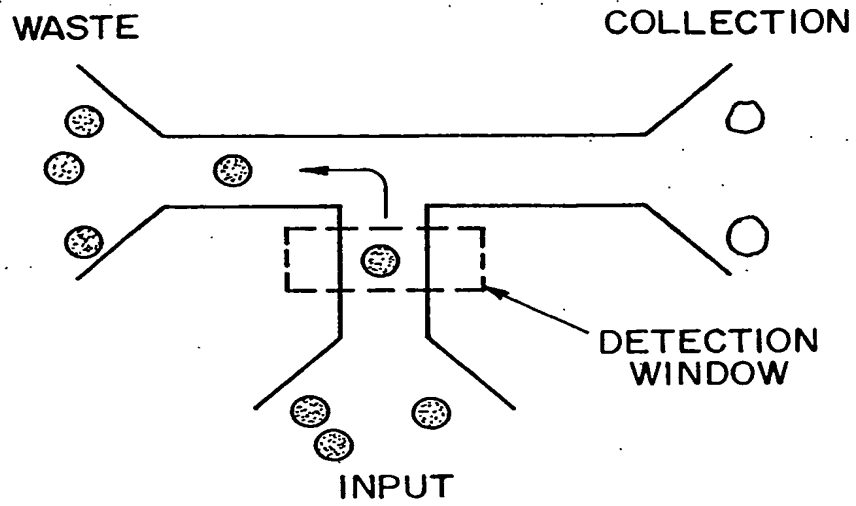
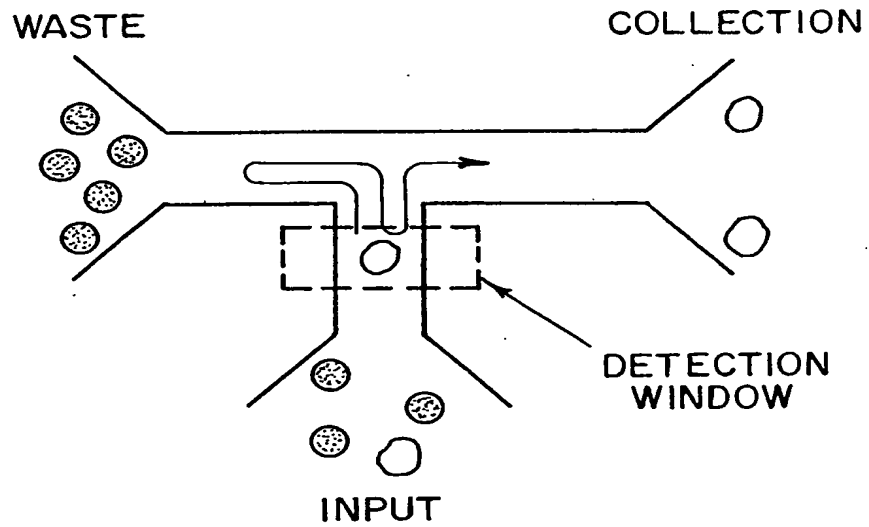


FIG. 12B



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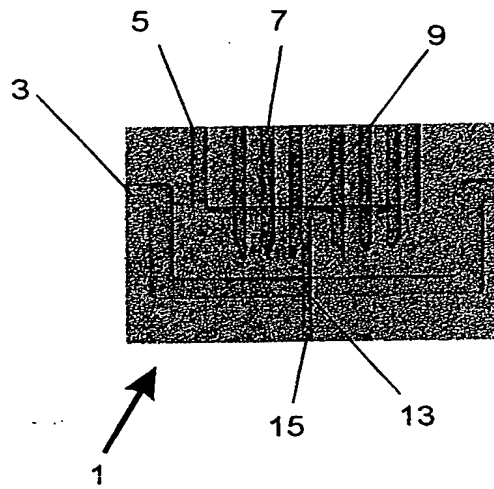


FIG. 13A

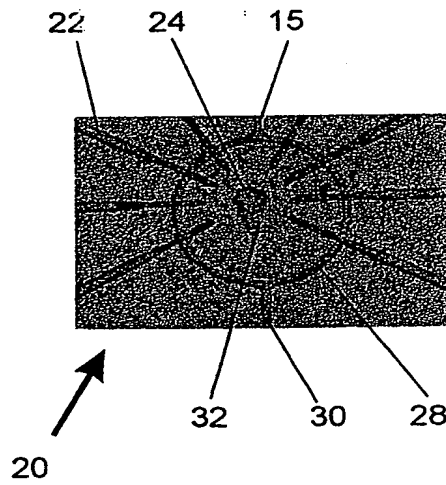
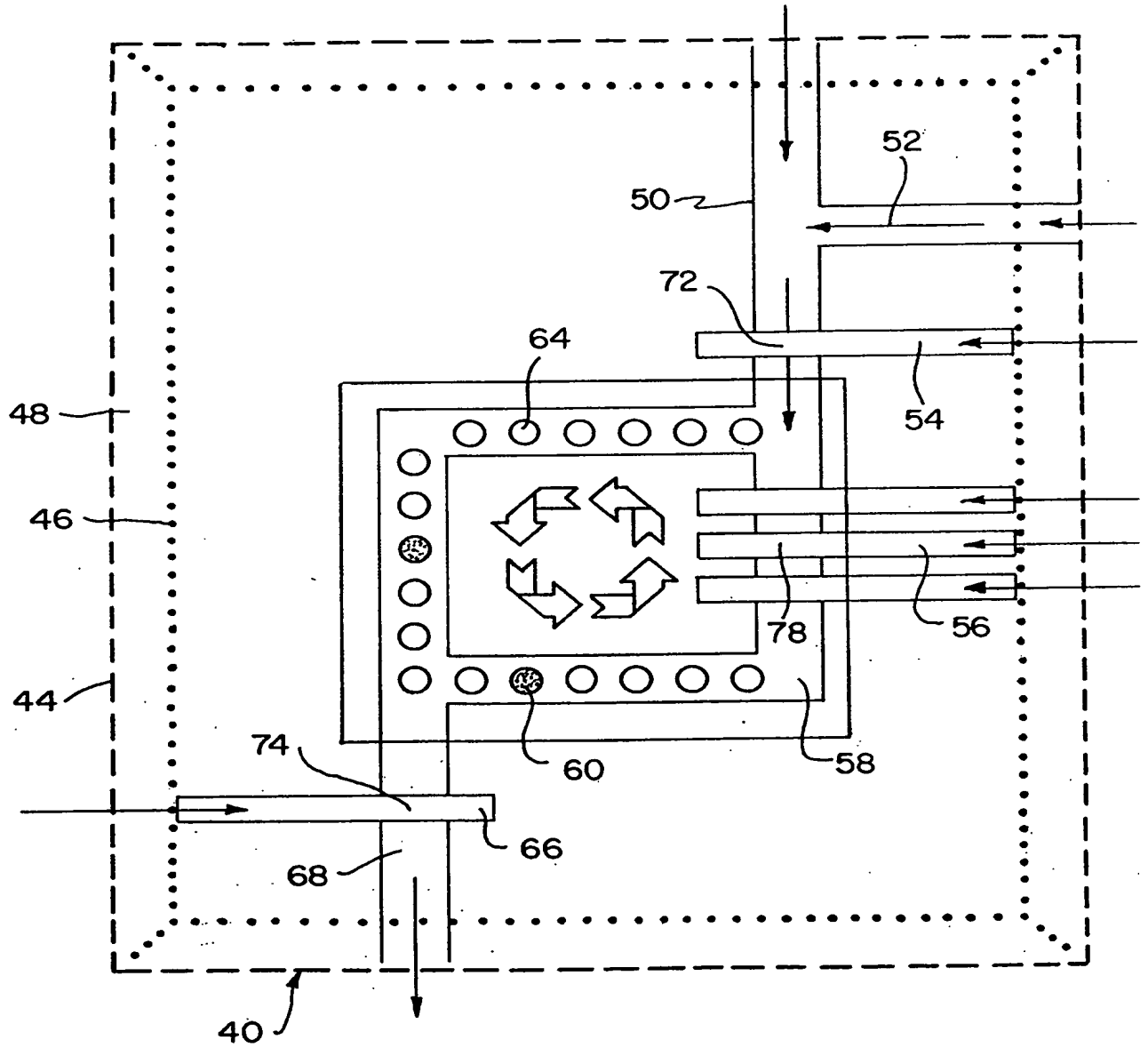


FIG. 13B

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FIG. 14



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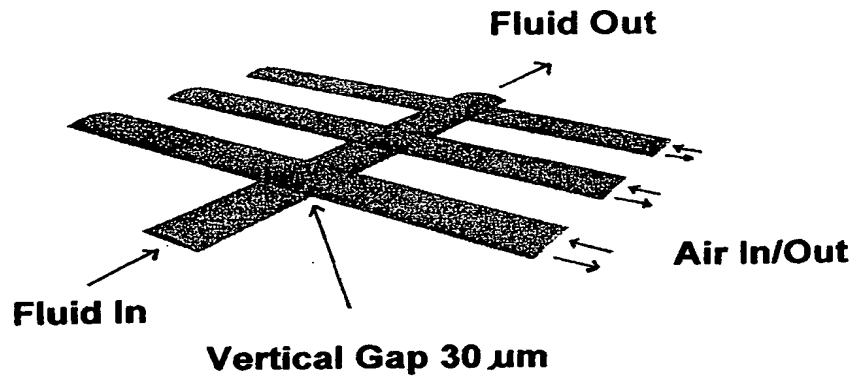


FIG. 15



FIG. 16A

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FIG. 16B

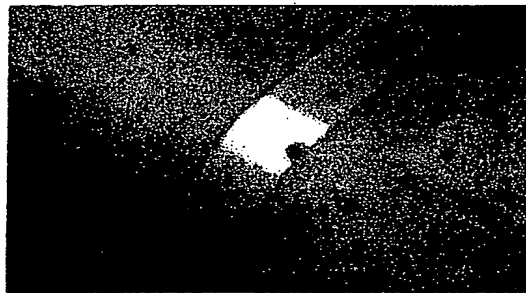


FIG. 16C

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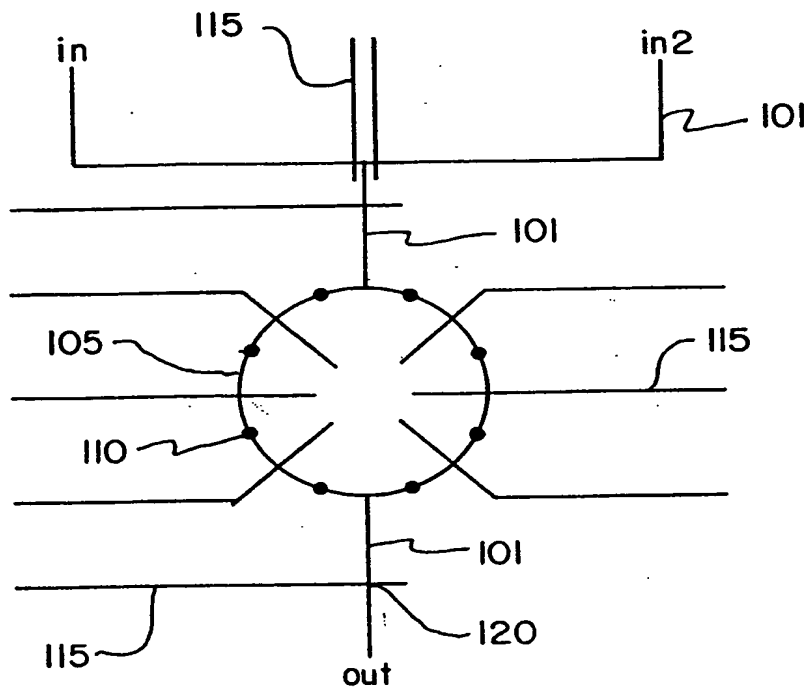
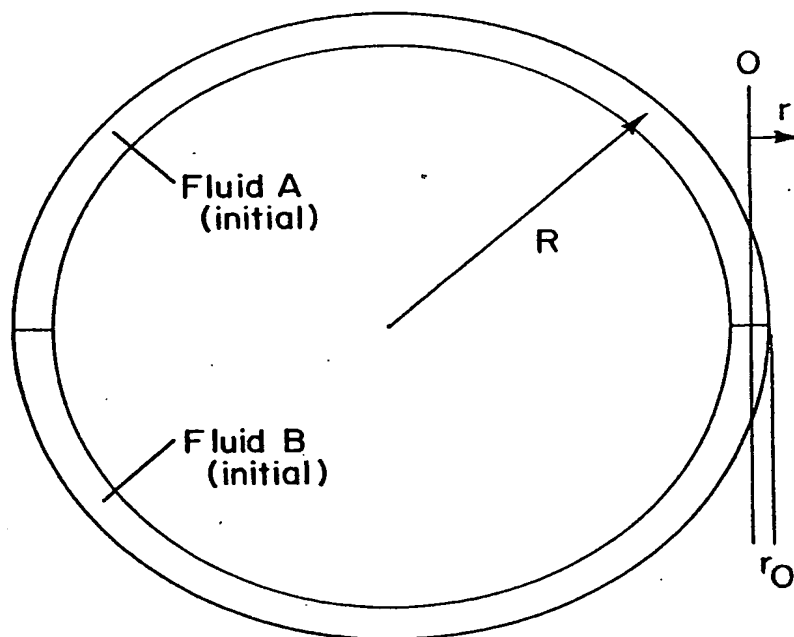


FIG. 17

FIG. 24



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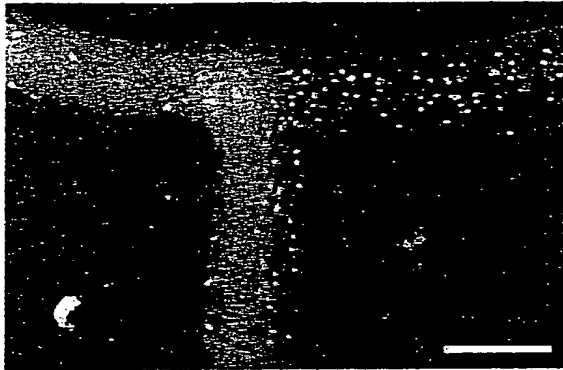


FIG. 18A

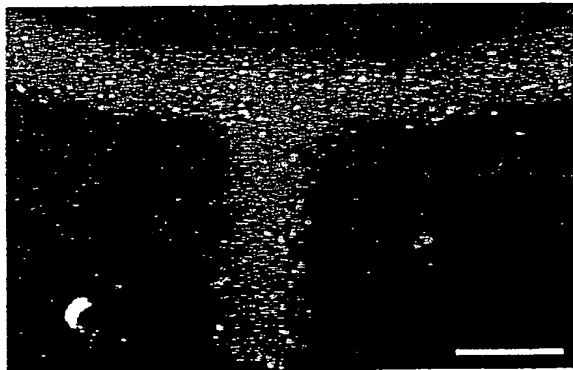


FIG. 18B

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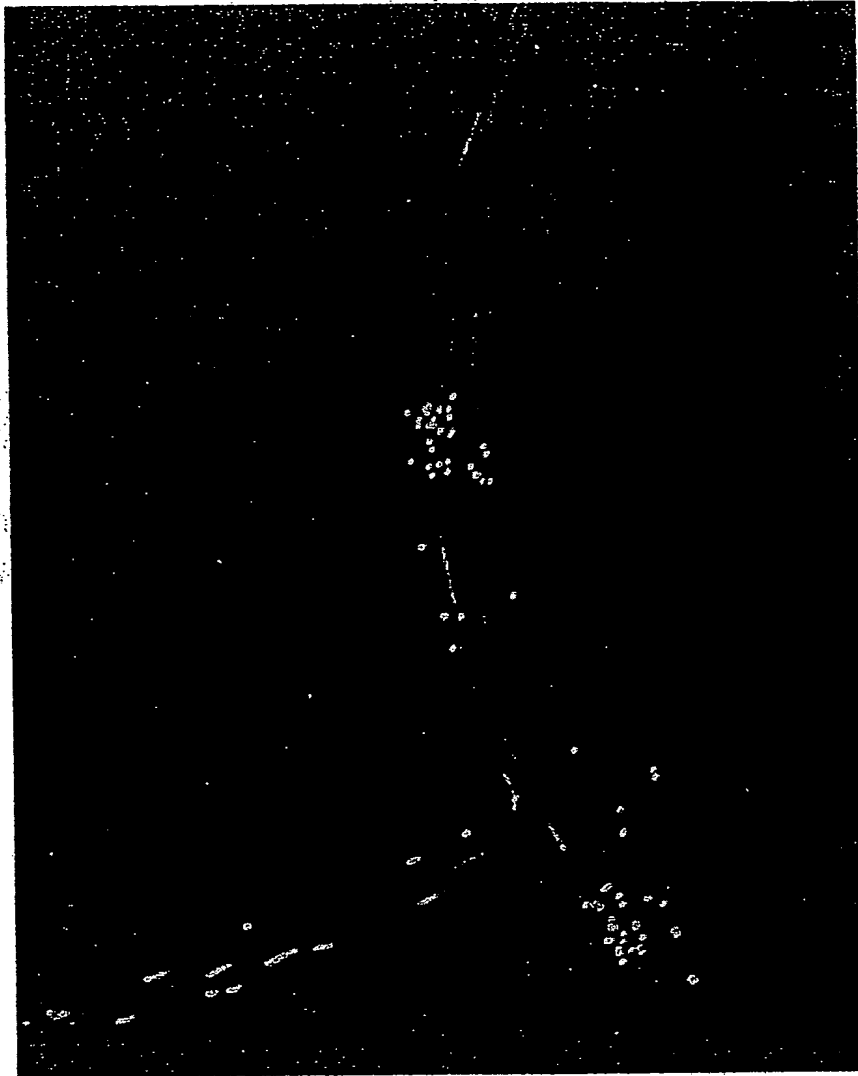


FIG. 19

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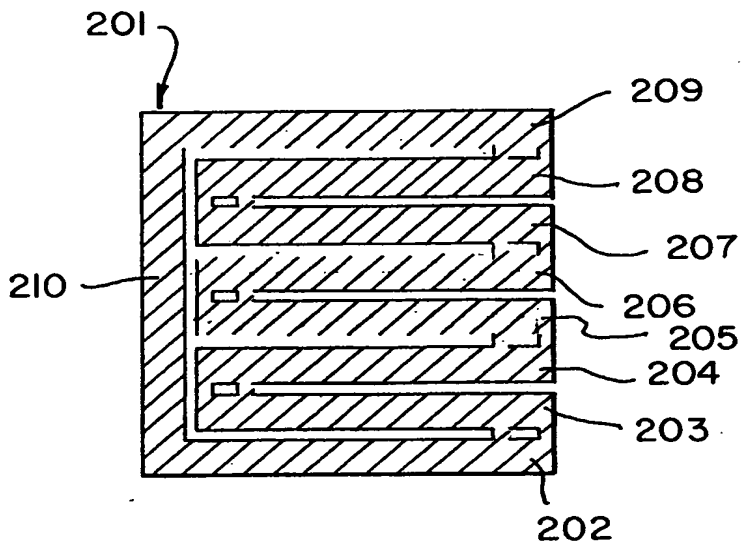


FIG. 20

FIG. 21A

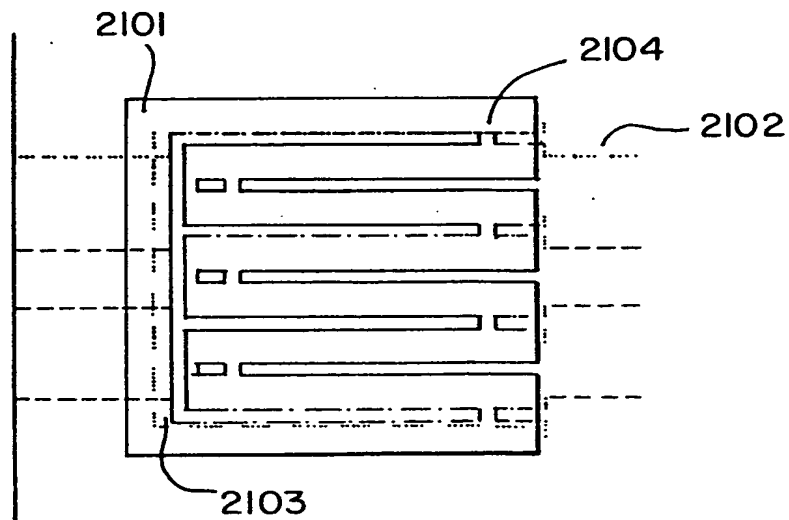
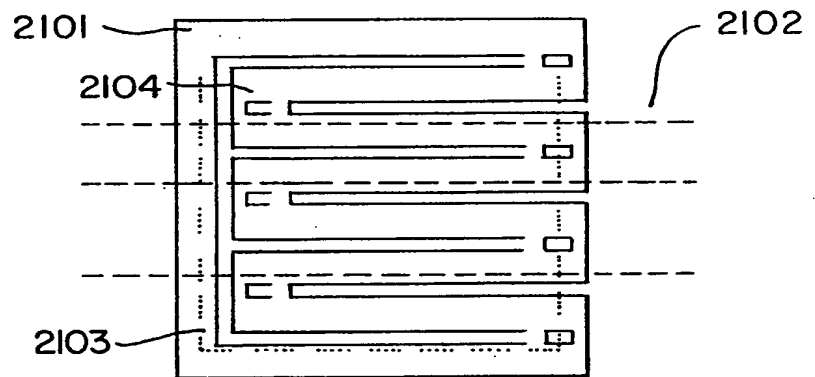


FIG. 21B

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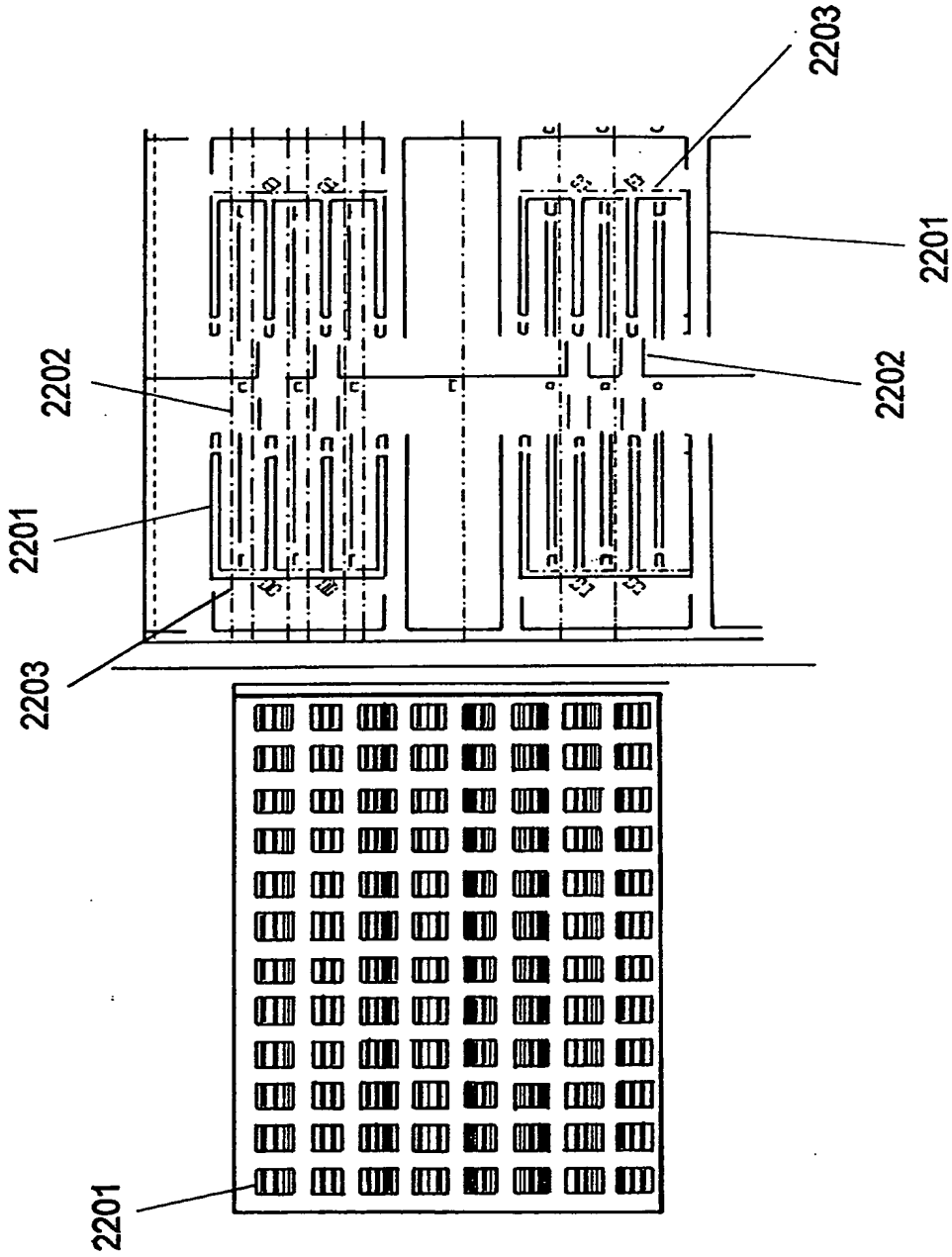


FIG. 22B

FIG. 22A

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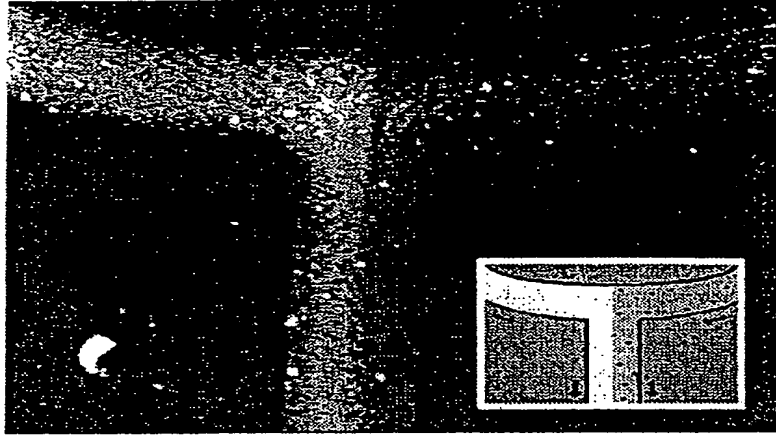


FIG. 23A

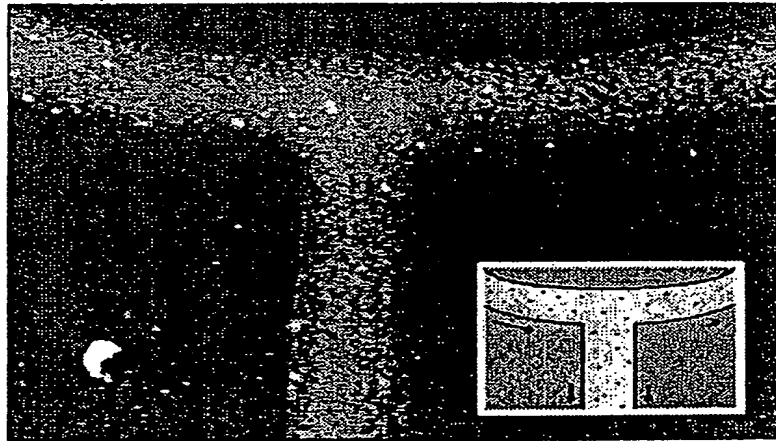


FIG. 23B

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Normal Flow

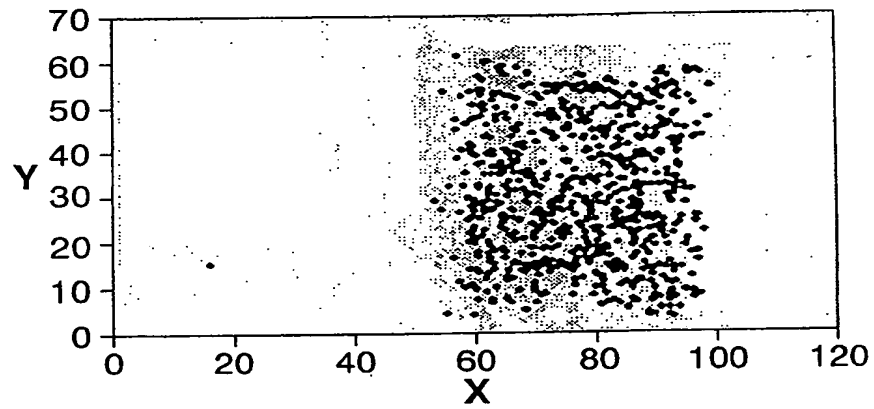


FIG. 23C

Rotary Mixing (30Hz, 40kPa)

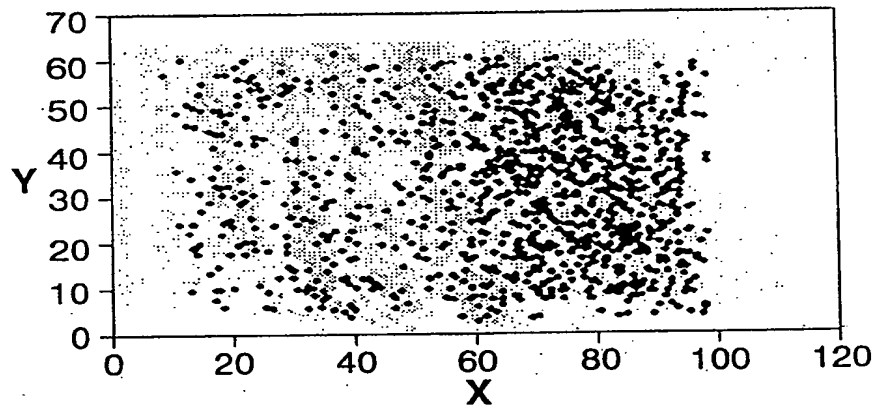


FIG. 23D

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**Accumulated X Distribution
Normal Flow**

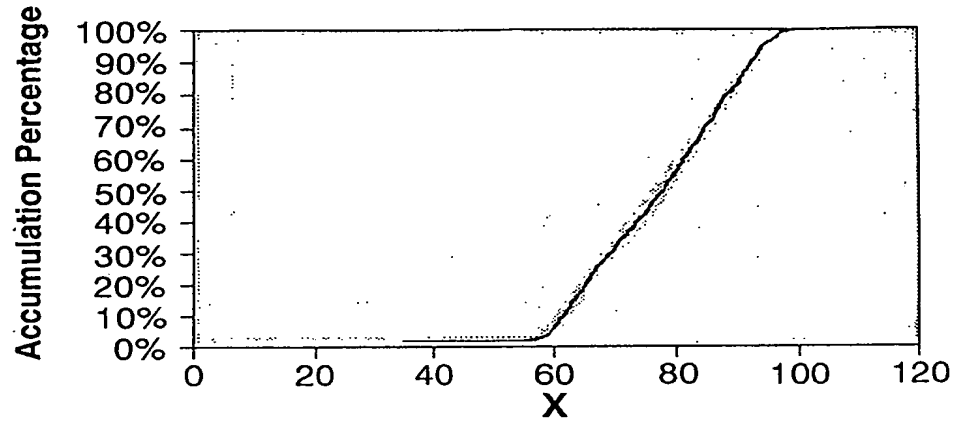


FIG. 23E

**Accumulated X Distribution
Rotary Mixing (30Hz, 40kPa)**

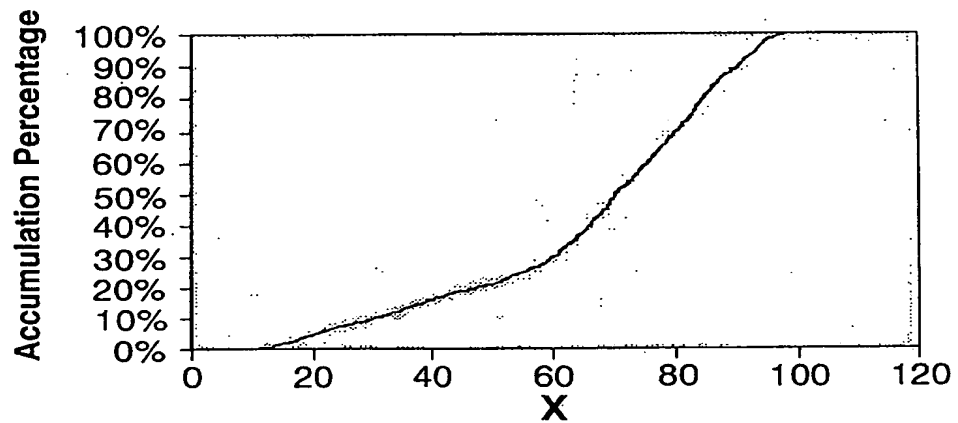


FIG. 23F